

A b s t r a c t

The invention relates to a separating mechanism (12) for conveying and separating elongate parts (2) from a part quantity in a conveying direction extending transversely to their longitudinal extension, comprising a pick-up region (41) and a discharge region (51) for elongate parts (2) separated from the part quantity disposed above it, with at least one endlessly circulating, driveable conveyor element (47) extending between the pick-up region (41) and the discharge region (51), which has driver elements (46) disposed one after the other in the conveying direction (9) and extending parallel with one another transversely to the conveying direction (9). Every driver element (46) has on its external face directed towards the pick-up region (41) a recessed groove with an approximately trapezoidal cross-section extending in its longitudinal direction and open in the direction towards the pick-up region (41) for accommodating elongate parts (2) as and when necessary. A length of the recessed groove corresponds to at least twice the maximum length of the elongate part (2). The invention further relates to a system for conveying and separating elongate parts with an inlet conveyor system, a separating mechanism (12) and a discharge unit (13).

Use Fig. 3 for the abstract.